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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 SEP 09 CA/CAPLUS records now contain indexing from 1907 to the
present
NEWS 4 DEC 08 INPADOC: Legal Status data reloaded
NEWS 5 SEP 29 DISSABS now available on STN
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
NEWS 11 DEC 08 IMS file names changed
NEWS 12 DEC 09 Experimental property data collected by CAS now available
in REGISTRY
NEWS 13 DEC 09 STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS 14 DEC 17 DGENE: Two new display fields added
NEWS 15 DEC 18 BIOTECHNO no longer updated
NEWS 16 DEC 19 CROPU no longer updated; subscriber discount no longer
available
NEWS 17 DEC 22 Additional INPI reactions and pre-1907 documents added to CAS
databases
NEWS 18 DEC 22 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated
and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/CAPLUS
NEWS 22 FEB 05 German (DE) application and patent publication number format
changes

NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 16:17:14 ON 02 MAR 2004

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 16:17:31 ON 02 MAR 2004

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STRUCTURE FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

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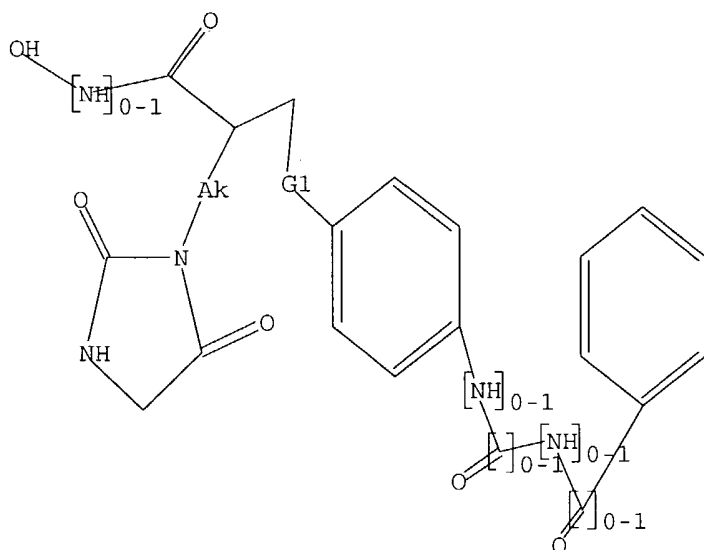
Uploading c:\program files\stnexp\queries\10030681.2

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 S, SO2

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full

FULL SEARCH INITIATED 16:18:00 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 90 TO ITERATE

100.0% PROCESSED 90 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

L2 5 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

155.42

155.63

FILE 'CAPLUS' ENTERED AT 16:18:05 ON 02 MAR 2004

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FILE COVERS 1907 - 2 Mar 2004 VOL 140 ISS 10

Patel

<3/2/2004>

FILE LAST UPDATED: 1 Mar 2004 (20040301/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

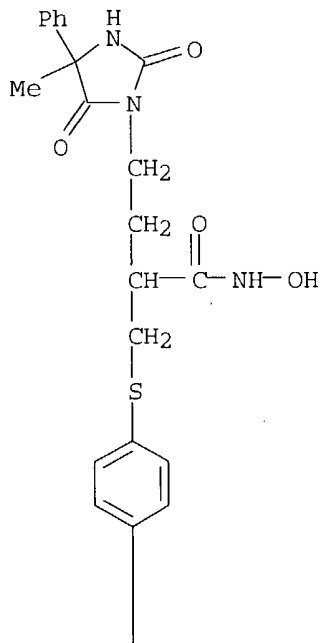
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L3 2 L2

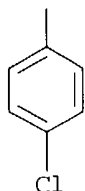
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L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:89041 CAPLUS
DN 136:386093
TI Solid-phase synthesis of α -substituted 3-bisarylthio N-Hydroxy
propionamides as Specific MMP Inhibitors
AU Chollet, Anne-Marie; Le Diguarher, Thierry; Kucharczyk, Nathalie; Loynel,
Armelle; Bertrand, Marc; Tucker, Gordon; Guilbaud, Nicolas; Burbridge,
Mike; Pastoureau, Philippe; Fradin, Armel; Sabatini, Massimo; Fauchere,
Jean-Luc; Casara, Patrick
CS Institut de Recherches Servier, Croissy sur Seine, 78290, Fr.
SO Bioorganic & Medicinal Chemistry (2002), 10(3), 531-544
CODEN: BMECEP; ISSN: 0968-0896
PB Elsevier Science Ltd.
DT Journal
LA English
IT **427895-42-9P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation)
(preparation of 2-[[[4'-chloro-[1,1'-biphenyl]-4-yl]thio]methyl]-N-
hydroxybutanamide derivs. as specific metalloproteinase inhibitors)
RN 427895-42-9 CAPLUS
CN 1-Imidazolidinebutanamide, α -[[[4'-chloro[1,1'-biphenyl]-4-
yl]thio]methyl]-N-hydroxy-4-methyl-2,5-dioxo-4-phenyl- (9CI) (CA INDEX
NAME)

PAGE 1-A



PAGE 2-A



AB A novel series of potent and specific MMP-2,3,9,13 inhibitors has been obtained by modulation on solid phase by α and aryl substitutions on 3-arylthio-N-hydroxy-propionamides starting from itaconic acid. Example compds. thus prepared and evaluated included α -[[[1,1'-biphenyl]-4-ylthio)methyl]-N-hydroxy-4-oxo-1,2,3-benzotriazine-3(4H)-butanamide, and derivs. and analogs thereof, such as α -[[[4'-chloro[1,1'-biphenyl]-4-yl)thio)methyl]-N-hydroxy-4-oxo-1,2,3-benzotriazine-3(4H)-butanamide, N-hydroxy-4-oxo- α -[[[4-(3-thienyl)phenyl]thio)methyl]-1,2,3-benzotriazine-3(4H)-butanamide, N-hydroxy-4-oxo- α -[[[4-(3-pyridinyl)phenyl]thio)methyl]-1,2,3-benzotriazine-3(4H)-butanamide, N-hydroxy-4-oxo- α -[[[4-(5-pyrimidinyl)phenyl]thio)methyl]-1,2,3-benzotriazine-3(4H)-butanamide, α -[[[4'-chloro[1,1'-biphenyl]-4-yl)thio)methyl]-N-hydroxy-2H-isoindeole-2-butanamide, α -[[[4'-chloro[1,1'-biphenyl]-4-yl)thio)methyl]-N-hydroxy-4-oxo-3(4H)-quinazolinebutanamide, etc.

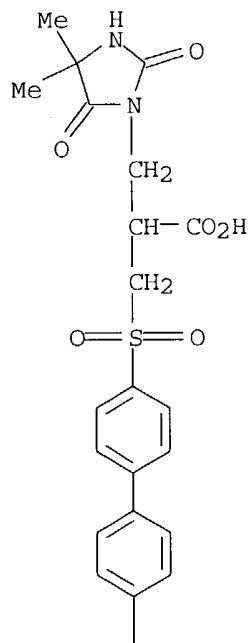
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:63965 CAPLUS
 DN 134:131252
 TI Preparation of 3-arylsulfonyl-2-(substituted methyl)propanoic acid derivatives as matrix metalloproteinase inhibitors
 IN Mantegani, Sergio; Abrate, Francesca; Bissolino, Pierluigi; Cremonesi, Paolo; Perrone, Ettore; Jabes, Daniela
 PA Pharmacia and Upjohn Spa, Italy
 SO PCT Int. Appl., 68 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001005756	A1	20010125	WO 2000-EP6429	20000707
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
GB 1999-16562 A 19990714				
EP 1200398	A1	20020502	EP 2000-954443	20000707
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GB 1999-16562 A 19990714				
WO 2000-EP6429 W 20000707				
JP 2003505367	T2	20030212	JP 2001-511417	20000707
GB 1999-16562 A 19990714				
WO 2000-EP6429 W 20000707				
OS	MARPAT 134:131252			
IT	321584-56-9P 321584-58-1P 321584-60-5P 321584-62-7P			
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(preparation of 3-arylsulfonyl-2-(substituted methyl)propanoic acid derivs. as matrix metalloproteinase inhibitors)			
RN	321584-56-9 CAPLUS			
CN	1-Imidazolidinepropanoic acid, α -[[[4'-chloro[1,1'-biphenyl]-4-yl)sulfonyl]methyl]-4,4-dimethyl-2,5-dioxo- (9CI) (CA INDEX NAME)			

PAGE 1-A

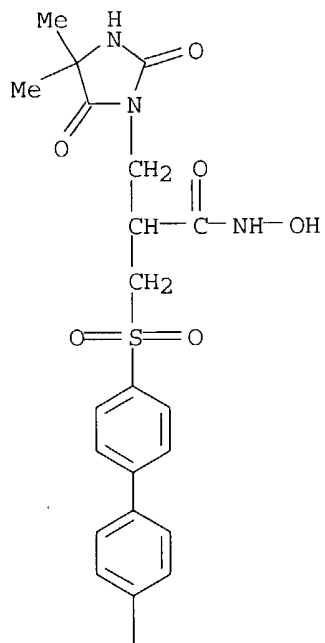


PAGE 2-A



RN 321584-58-1 CAPLUS
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PAGE 1-A

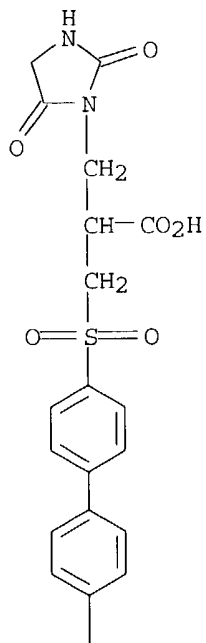


PAGE 2-A



RN 321584-60-5 CAPLUS
CN 1-Imidazolidinepropanoic acid, α -[[[(4'-chloro[1,1'-biphenyl]-4-yl)sulfonyl]methyl]-2,5-dioxo- (9CI) (CA INDEX NAME)

PAGE 1-A

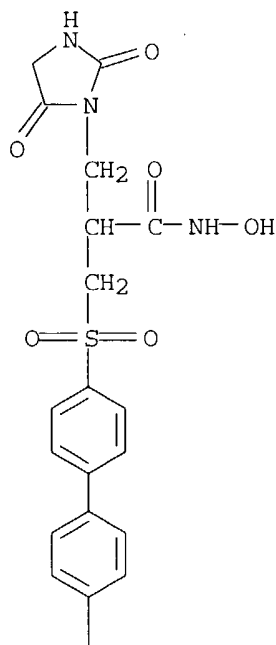


PAGE 2-A



RN 321584-62-7 CAPLUS
CN 1-Imidazolidinepropanamide, α -[[[4'-chloro[1,1'-biphenyl]-4-yl)sulfonyl]methyl]-N-hydroxy-2,5-dioxo- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



AB 3-Arylsulfonyl-2-methylpropanoic acid derivs. R₂CH₂CH(COX)CH₂SO₂C₆H₄R₁-4
 [I, X = HONH, HO; R₁ = Ph, 4-chlorophenyl, 4-fluorophenyl, 4-cyanophenyl,
 benzamido substituted benzamido; R₂ = SAr, SCH₂Ar, OAr, SHet, SCH₂Het (Het
 is a heterocyclic ring), 2,5-dioxo-1-imidazolidinyl, 2,4-dioxo-1-
 imidazolinyl], having potent and selective inhibitory activity against
 matrix metalloproteinases, were prepared E.g., 3-[(4-chloro[1,1'-biphenyl]-
 4-yl)sulfonyl]-2-[(phenylsulfanyl)methyl]propanoic acid was prepared
 Inhibition of MMP-1 and MMP-2 by I was measured.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

10.39

166.02

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.39

-1.39

STN INTERNATIONAL LOGOFF AT 16:19:26 ON 02 MAR 2004

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NEWS 19 DEC 22 ABI-INFORM now available on STN
NEWS 20 JAN 27 Source of Registration (SR) information in REGISTRY updated
and searchable
NEWS 21 JAN 27 A new search aid, the Company Name Thesaurus, available in
CA/CAPplus
NEWS 22 FEB 05 German (DE) application and patent publication number format
changes

NEWS EXPRESS DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT
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DICTIONARY FILE UPDATES: 1 MAR 2004 HIGHEST RN 656797-92-1

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

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Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

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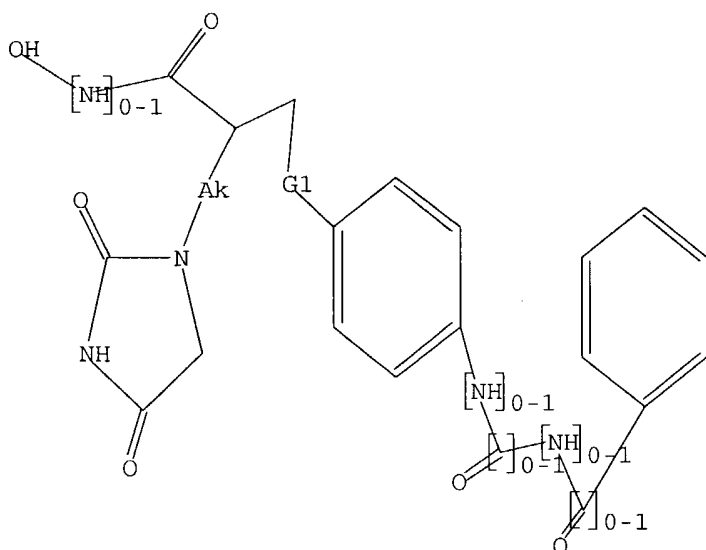
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L1 HAS NO ANSWERS

L1 STR



G1 S,SO2

Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 16:15:14 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 90 TO ITERATE

100.0% PROCESSED 90 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

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3 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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FILE COVERS 1907 - 2 Mar 2004 VOL 140 ISS 10

Patel

<3/2/2004>

FILE LAST UPDATED: 1 Mar 2004 (20040301/ED)

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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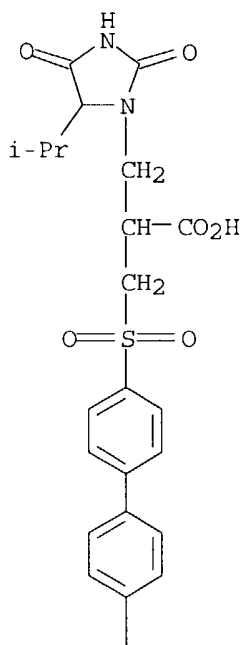
L3 1 L2

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:63965 CAPLUS
DN 134:131252
TI Preparation of 3-arylsulfonyl-2-(substituted methyl)propanoic acid
derivatives as matrix metalloproteinase inhibitors
IN Mantegani, Sergio; Abrate, Francesca; Bissolino, Pierluigi; Cremonesi,
Paolo; Perrone, Ettore; Jabes, Daniela
PA Pharmacia and Upjohn Spa, Italy
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001005756	A1	20010125	WO 2000-EP6429	20000707
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	EP 1200398	A1	20020502	EP 2000-954443	20000707
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OS	MARPAT 134:131252				
IT	321585-62-0P 321585-64-2P 321585-92-6P				
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of 3-arylsulfonyl-2-(substituted methyl)propanoic acid derivs. as matrix metalloproteinase inhibitors)				
RN	321585-62-0 CAPLUS				
CN	1-Imidazolidinepropanoic acid, α -[[[4'-chloro[1,1'-biphenyl]-4-yl)sulfonyl)methyl]-5-(1-methylethyl)-2,4-dioxo- (9CI) (CA INDEX NAME)				

PAGE 1-A

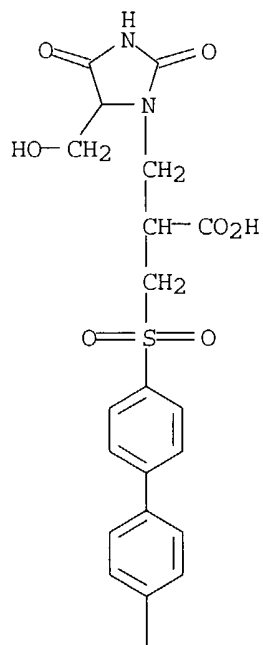


PAGE 2-A



RN 321585-64-2 CAPLUS
CN 1-Imidazolidinepropanoic acid, α-[[[4'-chloro[1,1'-biphenyl]-4-yl)sulfonyl]methyl]-5-(hydroxymethyl)-2,4-dioxo- (9CI) (CA INDEX NAME)

PAGE 1-A

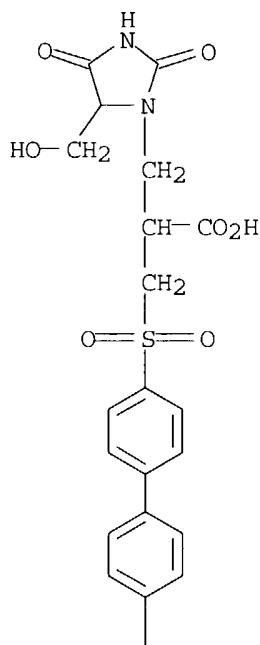


PAGE 2-A



RN 321585-92-6 CAPLUS
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PAGE 1-A



PAGE 2-A



AB 3-Arylsulfonyl-2-methylpropanoic acid derivs. R₂CH₂CH(COX)CH₂SO₂C₆H₄R₁-4 [I, X = HONH, HO; R₁ = Ph, 4-chlorophenyl, 4-fluorophenyl, 4-cyanophenyl, benzamido substituted benzamido; R₂ = SAr, SCH₂Ar, OAr, SHet, SCH₂Het (Het is a heterocyclic ring), 2,5-dioxo-1-imidazolidinyl, 2,4-dioxo-1-imidazolinyl], having potent and selective inhibitory activity against matrix metalloproteinases, were prepared E.g., 3-[(4-chloro[1,1'-biphenyl]-4-yl)sulfonyl]-2-[(phenylsulfanyl)methyl]propanoic acid was prepared Inhibition of MMP-1 and MMP-2 by I was measured.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

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CA SUBSCRIBER PRICE

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-0.69

STN INTERNATIONAL LOGOFF AT 16:15:48 ON 02 MAR 2004

Patel

<3/2/2004>